```
RRRRRRRRRRRR        UUU            UUU  NNN          NNN    000000000    FFFFFFFFFFFFFFFF    FFFFFFFFFFFFFFFF
RRRRRRRRRRRR        UUU            UUU  NNN          NNN    000000000    FFFFFFFFFFFFFFFF    FFFFFFFFFFFFFFFF
RRRRRRRRRRRR        UUU            UUU  NNN          NNN    000000000    FFFFFFFFFFFFFFFF    FFFFFFFFFFFFFFFF
RRR        RRR      UUU            UUU  NNN          NNN   000        000  FFF                 FFF
RRR        RRR      UUU            UUU  NNN          NNN   000        000  FFF                 FFF
RRR        RRR      UUU            UUU  NNN          NNN   000        000  FFF                 FFF
RRR        RRR      UUU            UUU  NNNNNN       NNN   000        000  FFF                 FFF
RRR        RRR      UUU            UUU  NNNNNN       NNN   000        000  FFF                 FFF
RRR        RRR      UUU            UUU  NNNNNN       NNN   000        000  FFF                 FFF
RRRRRRRRRRRR        UUU            UUU  NNN  NNN     NNN   000        000  FFFFFFFFFFF         FFFFFFFFFFF
RRRRRRRRRRRR        UUU            UUU  NNN  NNN     NNN   000        000  FFFFFFFFFFF         FFFFFFFFFFF
RRRRRRRRRRRR        UUU            UUU  NNN  NNN     NNN   000        000  FFFFFFFFFFF         FFFFFFFFFFF
RRR    RRR          UUU            UUU  NNN     NNNNNN     000        000  FFF                 FFF
RRR     RRR         UUU            UUU  NNN     NNNNNN     000        000  FFF                 FFF
RRR      RRR        UUU            UUU  NNN     NNNNNN     000        000  FFF                 FFF
RRR       RRR       UUU            UUU  NNN          NNN   000        000  FFF                 FFF
RRR        RRR      UUU            UUU  NNN          NNN   000        000  FFF                 FFF
RRR         RRR     UUU            UUU  NNN          NNN   000        000  FFF                 FFF
RRR          RRR    UUUUUUUUUUUUUUUUU   NNN          NNN    000000000      FFF                 FFF
RRR          RRR    UUUUUUUUUUUUUUUUU   NNN          NNN    000000000      FFF                 FFF
RRR          RRR    UUUUUUUUUUUUUUUUU   NNN          NNN    000000000      FFF                 FFF
```

```
CCCCCCC   NN      NN  TTTTTTTTTT   CCCCCCC  LL          IIIIII
CCCCCCC   NN      NN  TTTTTTTTTT   CCCCCCC  LL          IIIIII
CC        NN      NN      TT       CC       LL             II
CC        NN      NN      TT       CC       LL             II
CC        NNNN    NN      TT       CC       LL             II
CC        NNNN    NN      TT       CC       LL             II
CC        NN  NN  NN      TT       CC       LL             II
CC        NN  NN  NN      TT       CC       LL             II
CC        NN    NNNN      TT       CC       LL             II
CC        NN    NNNN      TT       CC       LL             II
CC        NN      NN      TT       CC       LL             II
CC        NN      NN      TT       CC       LL             II          ....
CCCCCCC   NN      NN      TT       CCCCCCC  LLLLLLLLLL  IIIIII         ....
CCCCCCC   NN      NN      TT       CCCCCCC  LLLLLLLLLL  IIIIII         ....

RRRRRRR   EEEEEEEEEE   QQQQQQ
RRRRRRR   EEEEEEEEEE   QQQQQQ
RR    RR  EE         QQ      QQ
RR    RR  EE         QQ      QQ
RR    RR  EE         QQ      QQ
RRRRRRRR  EEEEEEE    QQ      QQ
RRRRRRRR  EEEEEEE    QQ      QQ
RR RR     EE         QQ  QQ  QQ
RR RR     EE         QQ  QQ  QQ
RR    RR  EE         QQ    QQ
RR    RR  EE         QQ    QQ
RR     RR EEEEEEEEEE   QQQQ QQ
RR     RR EEEEEEEEEE   QQQQ QQ
```

```
: Version:        'V04-000'
:
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:****************************************************************
:
:++
: FACILITY:
:   DSR (Digital Standard RUNOFF) /DSRPLUS DSRTOC/CONTENTS Utility
:
: ABSTRACT:
:   CONTENTS Command Line Data Structure Definitions
:
: ENVIRONMENT:  Transportable
:
: AUTHOR:       JPK
:
: CREATION DATE: April 1982
:
: MODIFIED BY:
:
:     005     JPK00007        14-Feb-1983
:             Global edit of all sources for CONTENTS/DSRTOC:
:             - module names are now consistant with file names
:             - copyright dates have been updated
:             - facility names have been updated
:             - revision history was updated to be consistant with DSR/DSRPLUS
:
:     004     JPK00002        10-Feb-1983
:             Merged in change KFA00002 to modules CNTVMS, CNTCLIDMP and
:             CNTCLI.REQ. This change was done without reserving and
:             replacing the files in the CMS Library. This work involved
:             replacing CONTENTS$G_LM_INDENT, CONTENTS$G_HL1_INDENT through
:             CONTENTS$G_HL6_INDENT and CONTENTS$G_HLN_INDENT with
:             CONTENTS$AG_HL_INDENT.
```

```
            CONTENTS$V TEX was removed - it was no longer needed.
            Changed /TMS to /FORMAT=(DSR | TMS).
            Added code for /DOUBLE_SPACE.

    003     RER00002          20-Jan-1983
            Modified CNTVMS and CNTCLI.REQ to add new fields for new and
            expanded qualifiers:
            CONTENTS$V_TEX - for tex output,
            CONTENTS$G_DOUBLE_SPACE - for /DOUBLE_SPACE,
            CONTENTS$G_HL2_INDENT through CONTENTS$G_HL6_INDENT for /INDENT.

    002     KFA00002          14-Oct-1982
            Modified CNTVMS, CONTENTS, CAPTION and CNTCLI.REQ to handle
            new syntax for /INDENT qualifier. All indents are now
            stored in the vector CMDBLK [CONTENTS$AG_HL_INDENT []],
            where 0 = chapter indent, 1 = header level one indent, etc.
!--


!
!  Contents command fields:
!
$field contents_cmd_fields =
    SET

    contents$v_options            = [$short_integer],     ! Command option indicators:

        $overlay (contents$v_options)

        contents$v_output             = [$bit],     ! Generate output file
        contents$v_tms11              = [$bit],     ! Generate TMS11 output
        contents$v_require            = [$bit],     ! Require file specified
        contents$v_standard_page      = [$bit],     ! Use section type page numbers
        contents$v_include_sections   = [$bit],     ! Include section numbers in entry
        contents$v_log                = [$bit],     ! Generate /LOG message

        $continue

    contents$h_leader             = [$short_integer],     ! Align to next fullword

        $overlay (contents$h_leader)

        contents$c_leader_char  = [$string(1)],     ! Leader dot character

        $continue

    contents$g_headers        = [$integer],             ! Deepest header level to include
    contents$g_page_level     = [$integer],             ! Deepest level to include page references
    contents$g_underline      = [$integer],             ! Deepest level to include underlining
    contents$g_bold           = [$integer],             ! Deepest level to include bolding
    contents$g_sections       = [$integer],             ! Deepest level to include section numbers
    contents$g_page_width     = [$integer],             ! Page width (for RUNOFF only)
    contents$g_double_space   = [$integer],             ! Double space value
    contents$ag_hl_indent     = [$sub_block (7)],       ! Left margin and HL 1-6 indents
    contents$t_input_file     = [$descriptor(dynamic)], ! Input file name descriptor
    contents$t_output_file    = [$descriptor(dynamic)], ! Output file name descriptor
```

```
    contents$t_require_file     = [$descriptor(dynamic)], ! Require file name descriptor
    contents$t_command_line     = [$descriptor(dynamic)] ! Copy of entire command line

    TES;

! End of contents_cmd_fields

LITERAL
    contents_cmd$k_length = $field_set_size;

MACRO
    $contents_cmd = BLOCK [contents_cmd$k_length] FIELD (contents_cmd_fields) %;

!
!--     End of CNTCLI.REQ
```

ATCODE
REQ

CLHOPS
REQ

BIGNUM
REQ

BOOL
REQ

CLIST
REQ

VMSRT
LIS

RTVMSPEC
LIS

BPOSIT
REQ

CNTCLI
REQ

RUNOFF

RUNOFF
MAP

BRNRTY
REQ

DSRINDEX
MAP

ARECCC
REQ

DSRTOC
MAP

CLHCC
REQ